

Permit to Operate

FACILITY: N-2045

EXPIRATION DATE: 10/31/200

LEGAL OWNER OR OPERATOR: MODESTO ENERGY LIMITED PARTNER

MAILING ADDRESS: PO BOX 302
WESTLEY, CA 95387

FACILITY LOCATION: 4549 INGRAM CREEK ROAD
WESTLEY, CA 95387

FACILITY DESCRIPTION: TIRE INCINERATION FACILITY

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-2045-0-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-2045-1-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE (1) EACH MAXON MODEL 456M OVENPAK GAS BURNER RATED AT 5MMBTU/HR WHEN FIRED INTO A POSITIVE PRESSURE DUCT. ** PTODELETED 12/5/94 ***

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be limited to less than 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Natural gas is the only fuel permitted for use in the Burner. []
4. Existing permitted pollutant emission levels remain in effect. NOx limit shall not exceed 500 lbs/day, which includes 17.4 lbs/day emitted from the burner. []
5. The District must be notified of any equipment breakdown associated with this burner as pursuant to District rules. []

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2045-2-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

TIRE INCINERATORS (2), 6,423 LB/HR; BOILERS (2), HIGH-PRESSURE, 129,700 LBS/HR COMBINED STEAM CAPACITY; GENERATOR, STEAM TURBINE, 18.5 MW GROSS POWER; CONTROL EQUIPMENT - BAGHOUSE, SO₂ SCRUBBER, AMMONIA INJECTION SYSTEM AND ASSOCIATED EQUIPMENT.

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Ammonia breakthrough of the exhaust shall not exceed 50 ppmv. The facility shall be exempt from this condition for the first two hours of equipment start-up and for the last one hour of equipment shut down. [District Rule 4102]
3. Trace metals, dioxins and furan emissions shall not exceed the estimated emission levels as listed in the Modesto Energy Company's District approved risk assessment. [District Rule 4102]
4. The exhaust stack shall be equipped with continuous monitors/recorders for opacity, SO₂, NO_x, CO, O₂ & stack gas flow rate. The continuous emissions monitors shall meet the performance specifications in 40 CFR Part 51, Appendix P, 40 CFR Part 60, Appendix B, Relative Accuracy Audit of Appendix F or equivalent specification established by mutual agreement of the District, the ARB and the EPA. [District Rule 1080], [Federally Enforceable Through Title V]
5. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.2], [Federally Enforceable Through Title V]
6. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, any periods during which a continuous monitoring system or monitoring device is inoperative, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.3; 40 CFR 60.7 (b)], [Federally Enforceable Through Title V]
7. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; C. applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; D. a negative declaration when no excess emissions occurred. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 8.0], [Federally Enforceable Through Title V]
8. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0], [Federally Enforceable Through Title V]
9. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEM. Operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 10.0], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
12. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 (Source Sampling) [District Rule 1081], [Federally Enforceable Through Title V]
13. The following pollutant emission levels shall not be exceeded: CO = 549.0 lbs/day; NO_x = 500.0 lbs/day; PM = 113.0 lbs/day; SO_x = 250.0 lbs/day and VOC = 148.4 lbs/day. [District NSR Rule], [Federally Enforceable Through Title V]

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14. Emissions of SO_x, NO_x and CO shall be reported on a lbs/day basis from midnight to midnight. A summary shall be provided quarterly to the APCO, on a format approved by the District. [District Rule 4352, 5.2], [Federally Enforceable Through Title V]
15. Source testing and the Relative Accuracy testing shall be performed annually. The cylinder gas audit shall be performed quarterly. [District Rule 4352, 6.3], [Federally Enforceable Through Title V]
16. The operator shall maintain a complete central file containing all measurements, records and other data that are required to be collected pursuant to the various provisions of this Permit to Operate. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. The above mentioned file shall include: 1) data collected from in stack monitoring instruments & ground level monitors, 2) fuel input rate, 3) gross electrical output, 4) amount of supplemental fuel burned, and 5) results of source tests, calibration checks. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. The file shall also include: measurements, records and other data required to be maintained by the operator shall be retained for at least five years from the date measurements or records are made and be made available to the District inspector upon request. [District Rule 2520, 9.4.2, 9.5.2], [Federally Enforceable Through Title V]
19. In the event of control equipment failure, the operator shall immediately curtail any additional input of tires and shall maintain a minimum of 1800 deg F in the combustion zone until all tires in the incinerator are incinerated. [District NSR Rule], [Federally Enforceable Through Title V]
20. In the event that the combustion temperature falls below 1800 deg F for greater than 10 minutes, auxiliary burners shall be used to maintain the minimum temperature of 1800 deg F. [District NSR Rule], [Federally Enforceable Through Title V]
21. During any such breakdown conditions, the operator shall reduce plant emissions by whatever means necessary to assure that the emission limitations are not exceeded. [District NSR Rule], [Federally Enforceable Through Title V]
22. All ash handling shall be conducted in accordance with the provisions of local, state and federal hazardous waste management guidelines and shall be conducted in such a manner as to prevent fugitive emissions. [District Rule 4102]
23. Chromium compounds shall not be used as an additive in the cooling tower water. [District Rule 7012]
24. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
25. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
26. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
27. Sulfur compound emission shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
28. Particulate Matter emission shall not exceed 0.1 grains/dscf in concentration [District Rule 4201], [Federally Enforceable Through Title V]
29. NO_x emissions shall not exceed 0.20 lb/MMBtu of heat input. This limit shall be calculated and recorded daily using actual fuel hmv obtained from annual source tests, daily fuel consumption, and daily NO_x emissions (lb/day) from the CEM system. [District Rule 4352, 5.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
30. CO emissions at dry stack gas conditions shall not exceed 400 ppmv @ 3% O₂, 310 ppmv @ 7% or 12% O₂ in accordance with EPA Method 19. [District Rule 4352, 5.3 and 5.4], [Federally Enforceable Through Title V]
31. The owner/operator shall maintain an operating log that includes the type and quantity of fuel used, and the hmv of each fuel by section 6.4, or as certified by a third party fuel supplier. [District Rule 4352, 6.2], [Federally Enforceable Through Title V]
32. Source testing to measure concentration of oxides of nitrogen (as NO₂) shall be conducted annually using EPA method 7E or CARB method 100. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
33. Source testing to measure concentrations of carbon monoxide (CO) shall be conducted annually using EPA method 10 or CARB method 100. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
34. Source testing to measure the stack gas oxygen shall be conducted annually using EPA methods 3 or 3A, or CARB method 100. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
35. Source testing to measure stack gas velocity shall be conducted annually using EPA method 2. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
36. Source testing to measure stack gas moisture content shall be conducted annually using EPA method 4. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
37. Solid fuel higher heating value (hmv) shall be determined annually by ASTM Method D 2015-85, or ASTM Method E 711. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]

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38. Source testing to measure particulate matter shall be conducted annually using CARB Method 5. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
39. Source testing to measure sulfur dioxide emissions shall be conducted annually using EPA Method 8. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
40. All emission measurements shall be made with the unit operating at conditions representative of normal operations. No compliance shall be established within two hours after a continuous period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.4.2 and 6.4.3], [Federally Enforceable Through Title V]
41. Source testing to measure VOC emissions shall be conducted annually using either EPA Method 25A, EPA Method 18, or CARB Method 100. [District Rule 1081], [Federally Enforceable Through Title V]
42. Source testing to measure NH₃ emissions shall be conducted annually using BAAQMD Method ST-1B. [District Rule 1081], [Federally Enforceable Through Title V]
43. The following pollutant emission levels shall not be exceeded: 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO₂); 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO₂); and ten (10) pounds per hour of PM. [District Rule 4301, 5.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-2045-4-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE 2020 HP DETROIT DIESEL MODEL 149 9163-7316 TURBOCHARGED AND AFTERCOOLED IC ENGINE SERVING AN EMERGENCY STANDBY 1,500 KW GENERATOR

PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
 2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 3. Sulfur Compound emissions shall not exceed 0.2 % by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
 4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 6. The operator shall submit an annual report of operating hours to the District. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 7. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule, District Rule 4701, 3.19], [Federally Enforceable Through Title V]
 8. The permittee shall maintain records of hours of non-emergency operation and of the sulfur content of the diesel fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. Compliance with the conditions in the permit requirements for this unit shall be deemed in compliance with District Rule 4201, San Joaquin County Rule 404, District Rule 4801 and San Joaquin County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-2045-5-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE 20 TON FLY ASH STORAGE SILO SERVED BY A FLEX-KLEEN MODEL 1000 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises [District NSR Rule], [Federally Enforceable Through Title V]
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere [District NSR Rule], [Federally Enforceable Through Title V]
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
6. There shall be no visible emissions from the dust control system. [District NSR Rule], [Federally Enforceable Through Title V]
7. No more than 20 tons of material shall be received into the silo in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
8. The PM-10 emissions shall not exceed 0.005 pounds per ton of ash received shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
9. A daily record of the amount of fly ash received shall be maintained on the premises at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration [District Rule 4201], [Federally Enforceable Through Title V]
11. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
12. Compliance with the conditions in the Title V permit shall be deemed in compliance with the following conditions: District Rule 4201, and Stanislaus County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Dust Collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or hole which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Records of dust collector maintenance, inspections and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Visible emissions from the exhaust stack shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit